PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/IL2004/000688	International filing date (day/month/year) 27 July 2004 (27.07.2004)	Priority date (day/month/year) 29 July 2003 (29.07.2003)	
International Patent Classification (8th See relevant Information in Form P	edition unless older edition indicated) PCT/ISA/237		
Applicant RAPHAELI, Dan			

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).				
2.	This REPORT consists of a tot	al of 4 sheets, including this cover sheet.			
		rence to the written opinion of the International Searching Authority should be read as a reference report on patentability (Chapter I) instead.			
3.	This report contains indications	s relating to the following items:			
	Box No. I	Basis of the report			
	Box No. Π	Priority			
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defects in the international application			
	Box No. VIII	Certain observations on the international application			
4.	The International Bureau will onot, except where the applicant date (Rule 44bis .2).	communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority			

Date of issuance of this report 30 January 2006 (30.01.2006)

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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

From the	PATENT COOP	ERATION TRI	EATY	
INTERNATIONAL SEARCHING A	UTHORITY	_		REC'D 11 FEB
To: RAPHAELI DAN ACTIVE KNOWLEDGE LTD.			PCT	WIPO PO
P.O.B. 294 KITYAT TIVON, ISRAEL 36010		WI INTERNATI	RITTEN OPINION ONAL SEARCHI	N OF THE ING AUTHORITY
			(PCT Rule 43bi	s.1)
Applicant's or agent's file reference		Date of mailing (day/month/year)	08 FEB	2005
		FOR FURTHER	ACTION See paragraph 2 belo	w
International application No.	International filing date	(day/month/year)	Priority date (day/m	nonth/year)
PCT/IL04/00688 International Patent Classification (II	27 July 2004 (27.07.20	04)	29 July 2003 (29.07	.2003)
IPC(7): H04Q 1/00, G08B 1/08 and Applicant				
RAPHAELI DAN				
1. This opinion contains indications	relating to the following item	ns:		
	the opinion			
Box No. II Priority				
Box No. III Non-est	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. V Reasone applicab	d statement under Rule 43bis ility; citations and explanation	.1(a)(i) with regard to us supporting such st	o novelty, inventive st	ep or industrial
i I I =	documents cited	11 B Smithing		
Box No. VII Certain	lefects in the international app	application		
Box No. VIII Certain observations on the international application				
2. FURTHER ACTION				
If a demand for international pre International Preliminary Exami Authority other than this one to be that written opinions of this Intern	e the IDRA and the share.	cept mat mis does	not apply where the	written opinion of the applicant chooses an under Rule 66.1 <i>bis(b)</i>
If this opinion is, as provided about IPEA a written reply together, wailing of Form PCT/ISA/220 or For further options, see Form PC	before the expiration of 22 m	an opinion of the IPF adments, before the nonths from the prior	A, the applicant is in expiration of 3 monity date, whichever ex	vited to submit to the
For further options, see Form PC	I/ISA/220.		,	Awar intel
3. For further details, see notes to Fo	orm PCT/ISA/220.			
Name and mailing address of the ISA/	US	Authorized officer		
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Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Telephone No. (70	3) 305,4700	10 1
Form PCT/ISA/237 (cover sheet) (Janua:	ry 2004)			io Zogar

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IL04/00688

Box No. I Basis of this opinion
 With regard to the language, this opinion has been established on the basis of the international application in the language in white it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
rm PCT/ISA/237(Box No. D. (January 2004)

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL04/00688

1. Statemen	t			
N	ovelty (N)	Claims	2-42	YES
		Claims	1	NO
In	ventive step (IS)	Claims	NONE	YES
		Claims		NO
Inc	dustrial applicability (IA)	Claims	1-42	YES
	Claims		NO	

Claim 1 lacks novelty under PCT Article 33(2) as being anticipated by Creek (US 5771002) Creek discloses a locator method and system including a handheld master unit that identifies and interrogates a satellite unit RF tag with a command from a directional antenna. The satellite unit sends a response signal synchronized to the command. The master unit includes audible and visual indication satellite unit location. See abstract, col. 7 lines 30-41, col.

Claims 2 and 27-42 lack an inventive step under PCT Article 33(3) as being obvious over Creek (US 5771002) as discussed above in view of Anders (US 4656463). Anders discloses an analogous art RF tag locating method and system including a handheld interrogator with audible, visual and vibratory location indication. The antenna may be a phased array with azimuth and bearing movement. The location indication includes range (distance) measured by time interval (round trip delay) and azimuth/bearing measured by the phased array using known radar ranging. See fig. 29, col. 24 Line 52 - col. 25 line 2, col. 37 lines 6 - 37, col. 8 line 16 - col. 39 line 22. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in Creek the phased array and azimuth indication of Anders in order to allow direction indication without the need of the user to manually turn in a circle to fine the direction of maximum signal. Round trip delay would have been obvious in view of Anders disclosing reception interval measuring for radar ranging.

Claims 3-26 lack an inventive step under PCT Article 33(3) as being obvious over Creek (US 5771002) and Anders (US 4656463) as discussed above and further in view of Wang (US 5912644) or MacLellan (US 5940006) Wang and MacLellan disclose analogous art RF tag interrogation/location systems/methods including wideband (CDMA / spread spectrum) communication. See the abstracts. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included in the combination applied above the wideband communication of Wang or MacLellan for known advantages such as reduced interference.